**Rec'd PCT/PTO** 11 JUL 2005

## PATENT COOPERATION TRE

10/542064

**PCT** 

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	(1 C) Article 36 and Rule 7	<del></del>				
03R01026	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No. PCT/JP2004/000127	International filing date (day/month/ye 09 January 2004 (09.01.2004	ar) Priority date (day/month/year) 10 January 2003 (10.01.2003)				
International Patent Classification (IPC) or no H04L 12/28	tional classification and IPC	7 To salidary 2003 (10.01.2003)				
Applicant						
	SHARP KABUSHIKI KAISH	A				
<ol> <li>This report is the international prelim Authority under Article 35 and transm</li> </ol>	inary examination report, established by nitted to the applicant according to Artic	this International Preliminary Examining cle 36.				
2. This REPORT consists of a total of	3 sheets, including this co	ver sheet.				
This report is also accompanied by ANNEXES, comprising:						
a. (sent to the applicant and to	o the International Bureau) a total of	sheets, as follows:				
sheets of the descrip and/or sheets contain Administrative Insti	otion, claims and/or drawings which hav ning rectifications authorized by this A uctions).	ve been amended and are the basis of this report uthority (see Rule 70.16 and Section 607 of the				
sheets which supers	ede earlian about 1	ority considers contain an amendment that goes ed, as indicated in item 4 of Box No. I and the				
b. (sent to the International	Bureau only) a total of (indicate	type and number of 1				
readable form only, as indi Administrative Instructions)	, containing a sequence list cated in the Supplemental Box Relating	sting and/or tables related thereto, in computer g to Sequence Listing (see Section 802 of the				
4. This report contains indications relating	to the following items:					
Box No. I Basis of the repo	t					
Box No. II Priority						
Box No. III Non-establishmen	t of opinion with regard to novelty, inve	entive step and industrial application				
Lack of unity of i	vention	and industrial applicability				
Box No. V  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;						
Box No. VI Certain document	cited					
Box No. VII Certain defects in the international application						
Box No. VIII Certain observatio	ns on the international application					
te of submission of the demand	Date of completion	of this report				
01 July 2004 (01.07.2004		26 April 2005 (26.04.2005)				
me and mailing address of the IPEA/JP	Authorized officer					
simile No.	Telephone No.					
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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

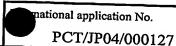
rnational application No.

PCT/JP2004/000127

Box No	D. I	Basis of the report	
1. With other	regard	I to the language, this report is based on the international application in the langua ndicated under this item.	ge in which it was filed, unless
	This	report is based on translations from the original language into the following lands the report is language of a translation furnished for the purpose of:	
		international search (under Rules 12.3 and 23.1(b))	
	Ħ	publication of the international application (under Rule 12.4)	
	Ħ	international preliminary evamination (under Rule 12.4)	
		international preliminary examination (under Rules 55.2 and/or 55.3)	
2. With furni. and a	re not	I to the elements of the international application, this report is based on (rep the receiving Office in response to an invitation under Article 14 are referred to annexed to this report): atternational application as originally filed/furnished	lacement sheets which have been in this report as "originally filed"
		scription:	
	pages	•	
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		nce listing and/or any related table(s) - see Supplemental Box Relating to Sequenc	e Listing.
Π,	The am	endments have required in the control of	
		endments have resulted in the cancellation of:	
		ne description, pages	
		ne claims, Nos.	
į	<u> </u>	ne drawings, sheets/figs	
	th	ne sequence listing (specify):	
	aı	ny table(s) related to sequence listing (specify):	
	Rule 70 th the	ort has been established as if (some of) the amendments annexed to this report a fince they have been considered to go beyond the disclosure as filed, as indicated to go beyond the disclosure as filed, as indicated description, pages	and listed below had not been ted in the Supplemental Box
f item 4	applie	s, some or all of those sheets may be marked "superseded."	
		Ing (Pay No. I) (Ingress 2004)	



## IARY REPORT ON PATENTABILITY



Box No. V Reasoned statement citations and explana	o. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement					
1. Statement						
Novelty (N)	Claims	1-29	YES			
	Claims		NO NO			
Inventive step (IS)	Claims	1-21, 23-27	YES			
Industrial applicability (IA)	Claims	22, 28, 29	NO			
	Claims	1-29	YES			
	Claims		NO NO			

2. Citations and explanations (Rule 70.7)

Document 1: JP, 2001-223716, A (Matsushita Electric Industrial Co., Ltd.), 17 August, 2001 (17.08.01), [0038]-[0060], Fig. 1

Document 2: JP, 2001-111599, A (Sony Corp.), 20 April, 2001 (20.04.01), [0102], Fig. 14 Document 3: JP, 2002-16607, A (Sharp Corp.), 18 January, 2002 (18.01.02), [0051], Fig. 5

The subject matters of claims 22, 28 and 29 do not appear to involve an inventive step in view of document 1 cited in the ISR and document 2 or 3 newly cited. Document 2 ([0102] and Fig. 14) shows the feature of determining whether a notification of a reservation for a band has been received from a control station after a request for a transmission slot was transmitted, and returning a confirmation of the reservation for the band to it, and document 3 ([0051] and Fig. 5) shows the feature of determining whether a notification packet of a channel allocation has been received from a hub station and, if it has, transmitting an Ack packet to the hub station after the information on the channel has been acquired. So, a person skilled in the art could have easily created the constitution of checking whether a transmission band has been allocated by the parent station and then notifying it of the checking result in the invention of document 1 ([0058]).

A feature of the processes to set up a plurality of communications with communication devices at the other ends, described in claims 1-21 and 23-27, wherein the first signal to be transmitted in each such process is sent from one communication device to the other communication device, is neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.